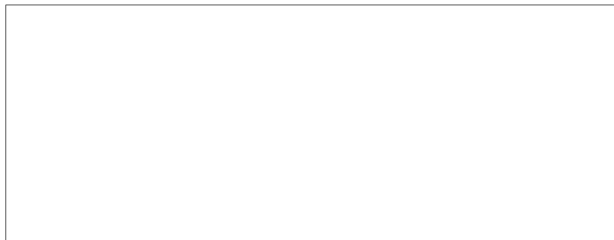


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Ideas and Requirements Panel

- I. Meeting #3 was held in the OC Conference Room at 1400 hours on 17 August 1955. The following persons were in attendance:



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- II. The following items were discussed:

1. OC-E introduced in the form of the functional characteristics for the PEAK-1 a suggestion that an automatic keying device be developed as an accessory unit for the RS-11 capable of automatically transmitting the teletype code through frequency shift or on-off keying techniques. The Panel agreed that the idea of a subminiature electronic keyer for the RS-11 was a good one; however, the operational requirement for this was questionable. Personnel in attendance from the O&T Division indicated there was no present requirement for such a unit but that the feasibility of this development should be studied on a low priority basis. The Panel recommended that the Engineering Division develop technical specifications and explore the possibility of utilizing [redacted] for this feasibility study under their normal retainer.

2. O&T indicated that it was desirable to have an investigation made concerning the characteristics of the cubical quad antenna. Although it is understood that an antenna model range or antenna farm would be required for absolute accuracy in determining patterns and the like, Operations felt that the data obtainable through a "backyard" type of investigation would be very valuable. The Panel recommended that [redacted] be consulted concerning a study to determine these characteristics. Operations personnel stated that they would contact Engineering Division and together determine the questions to be answered in this study.

3. OC-E suggested that the development of a modular [redacted]

[redacted] It was recommended that for the purpose of demonstrating this technique one prototype set be fabricated in this form. The Panel agreed that this was a commendable idea and recommended necessary action be taken by the Engineering Division.

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4. O&T informed the Panel that an informal project was being conducted at the Laboratory designed to develop a working model of an electronic key. O&T indicated that the primary interest in this device stemmed from the fact that it was extremely difficult to identify the operator using this type of key.

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5. The Engineering Division informed the Panel that during a recent trip to the [] plant it was discovered they were developing a miniature VHF transceiver similar to the URC-4 but of a much smaller size and weight. Among other interesting features is a provision which allows operation of the unit attached to the wearers belt or inserted in the pocket. The engineers stated that a prototype of this unit has been requested.

III. The meeting adjourned at 1550 hours.

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Acting Secretary

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Distribution:

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RD&PRB Members and those in
attendance

R&D Lab

R&D External Projects

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